

WHAT IS CLAIMED IS

1. Electro-hydraulic generator comprising a tank of hydraulic fluid and a set of components comprising a motor driving a hydraulic pump, an accumulator, means to distribute
5 the hydraulic fluid and means linking the different components, **wherein** the tank and the components are inserted into a cylindrical volume delimited by a circular surface, a first plane end face and a second plane end face, and in that the components are fastened to the tank.
- 10 2. Generator according to Claim 1, wherein said tank is approximately cylindrical in shape delimited by a circular wall near to said circular surface, a first plane wall applied against said first plane face and a second plane wall.
- 15 3. Generator according to Claim 1, wherein said generator incorporates an exchanger arranged according to said circular surface.
4. Generator according to Claim 3, wherein said generator incorporates a filter inserted in said cylindrical volume and
20 fastened on said tank.
5. Generator according to Claim 1, wherein said components and said filter are fastened on said second plane wall.
6. Generator according to any one of Claims 1 to 5,
25 wherein said pump is immersed in said tank.
7. Generator according to Claim 1, wherein said second plane wall incorporates an axial setback disposed at right angles to at least one of said components or said filter.
8. Generator according to Claim 1, wherein said motor is
30 a direct current low voltage electric motor.
9. Generator according to Claim 1, wherein said filter is partly or fully inserted into said tank.
10. Generator according to Claim 1, wherein said tank is provided at its circular wall with a radial setback intended
35 to receive said accumulator.
11. Method to use said generator according to Claims 1 to move of at least one head assembly comprising an actuator driving a shaft, integral with a turret head, in rotation.

12. Method according to Claim 11, wherein said actuator is a double-acting cylinder comprising a piston integral with a rack driven in translation, said rack meshing on a circular pinion integral with said shaft.

5 **13.** Method according to Claim 12, wherein said actuator is inserted in said cylindrical volume, arranged according to a diameter of said cylindrical volume and fastened on said plane wall of said tank and wherein said head assembly is arranged above said cylindrical volume.

10 **14.** Method according to Claim 13, wherein at least one head assembly is offset at a distance from said generator.